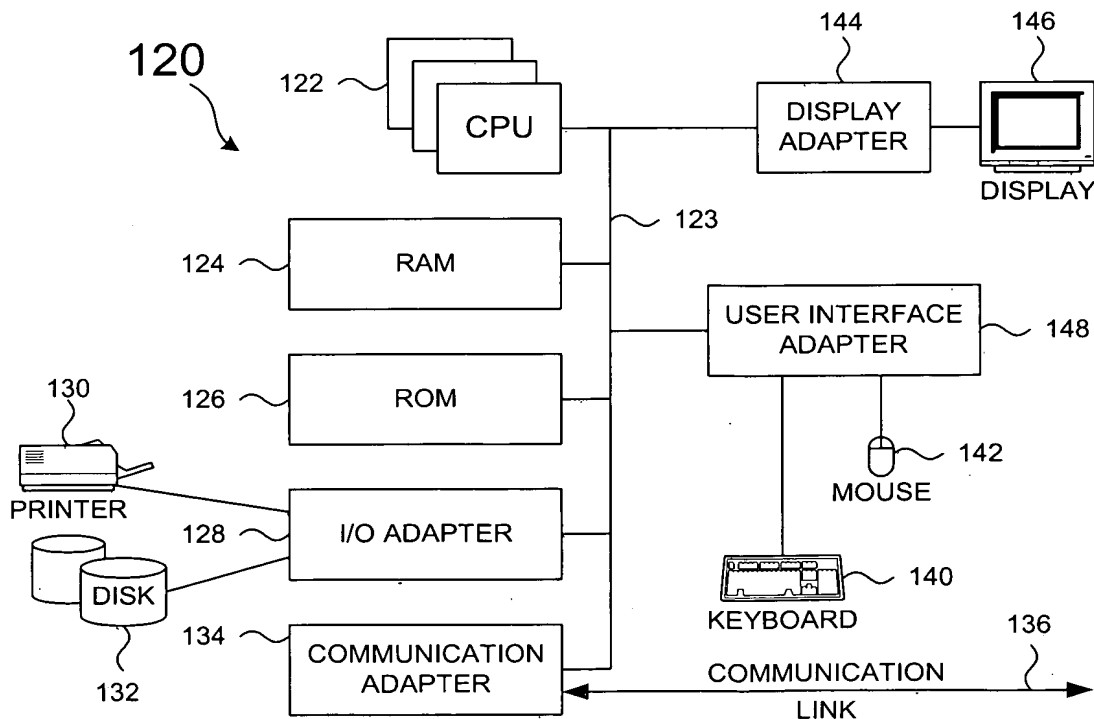
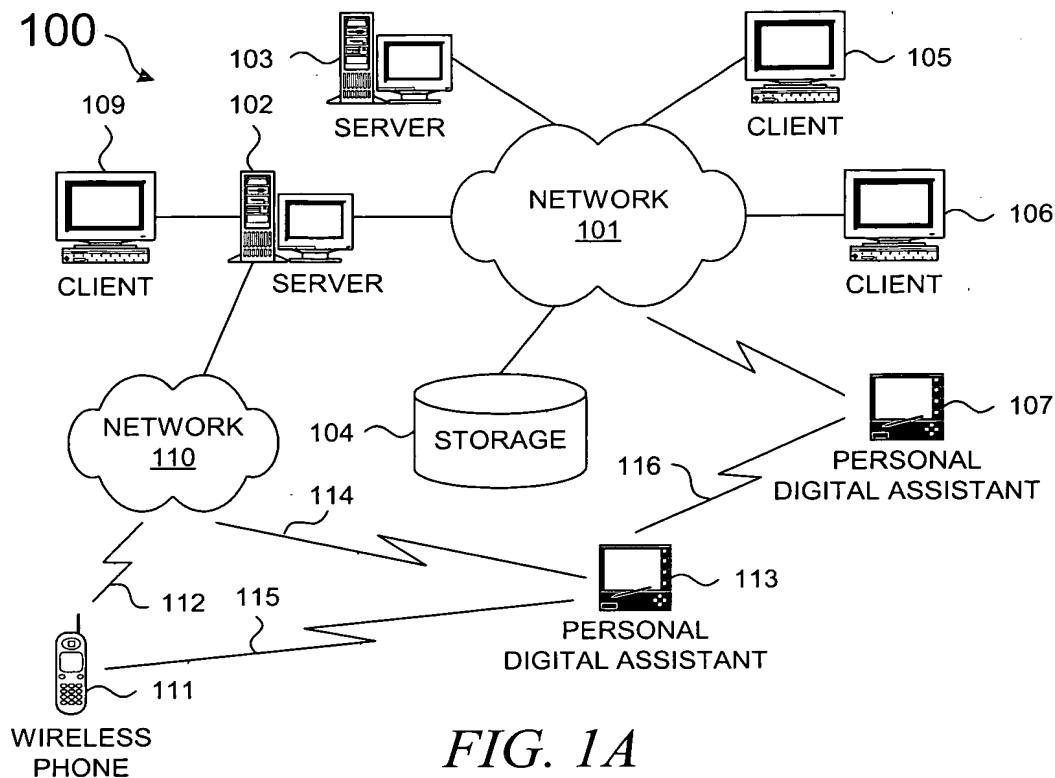


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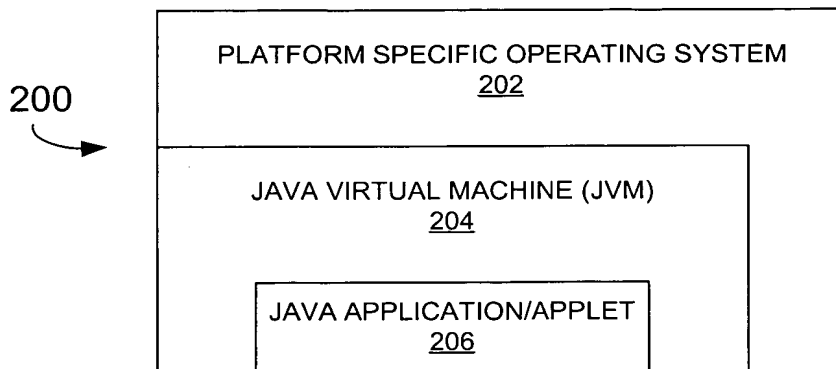


FIG. 2
(PRIOR ART)

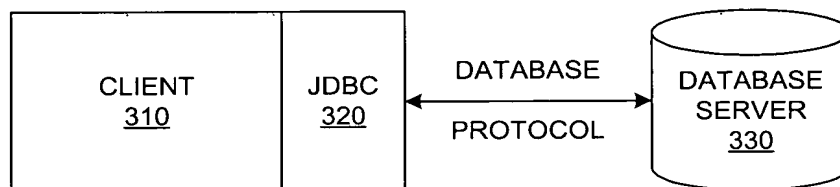


FIG. 3A
(PRIOR ART)

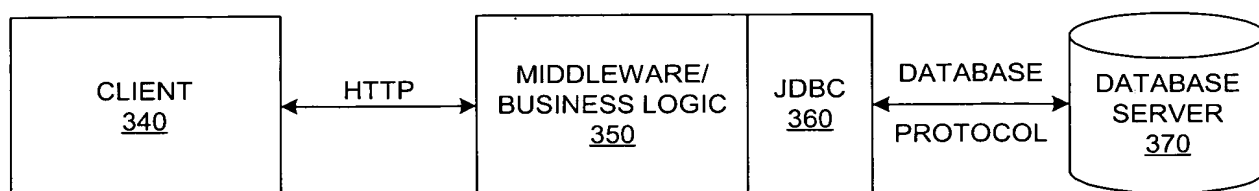


FIG. 3B
(PRIOR ART)



Method and system for a generic metadata-based mechanism
to migrate relational data between databases

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AUTHOR_ID (PK)	NAME	URL	DESCRIPTION
ADAM APON	ADAMS, JOHN APONE, KEVIN	HTTP://... HTTP://...	"This author received an IEEE ..." "After spending ten years in ..."
.	.	.	.
.	.	.	.
.	.	.	.

AUTH_TABLE 410

400

ISBN (PK)	AUTHOR_ID (PK)	SEQ_NO
0-08-882-111-4 0-07-456-432-1	ADAM APON	1 4
.	.	.
.	.	.
.	.	.

BOOK_AUTH_TABLE 420

ISBN (PK)	TITLE	PUBLISHER_ID	URL	PRICE
0-08-882-111-4 0-07-456-432-1	BEYOND THE ARTIC GUIDE TO JAVA	00989 01432	HTTP://... HTTP://...	27.95 15.00
.
.
.

BOOK_TABLE 430

FIG. 4

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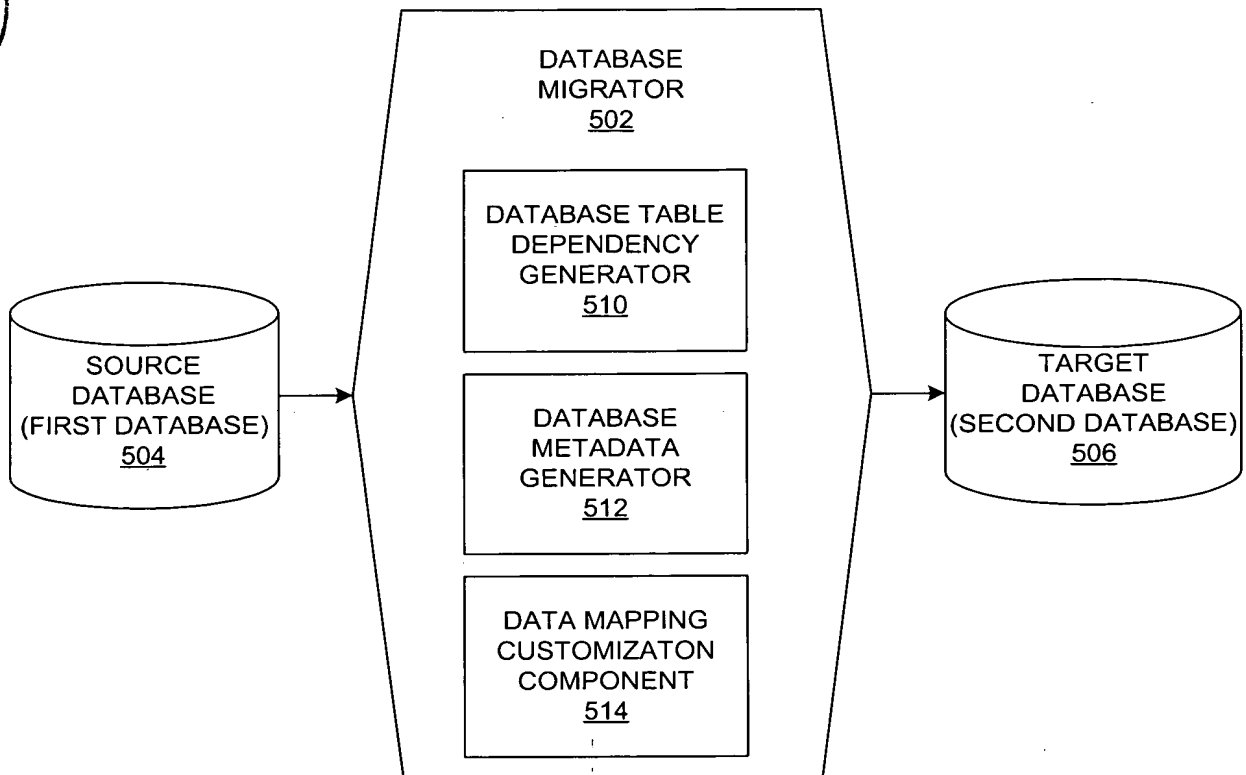
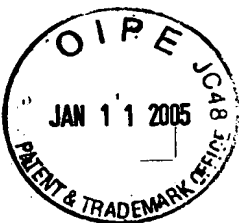


FIG. 5A



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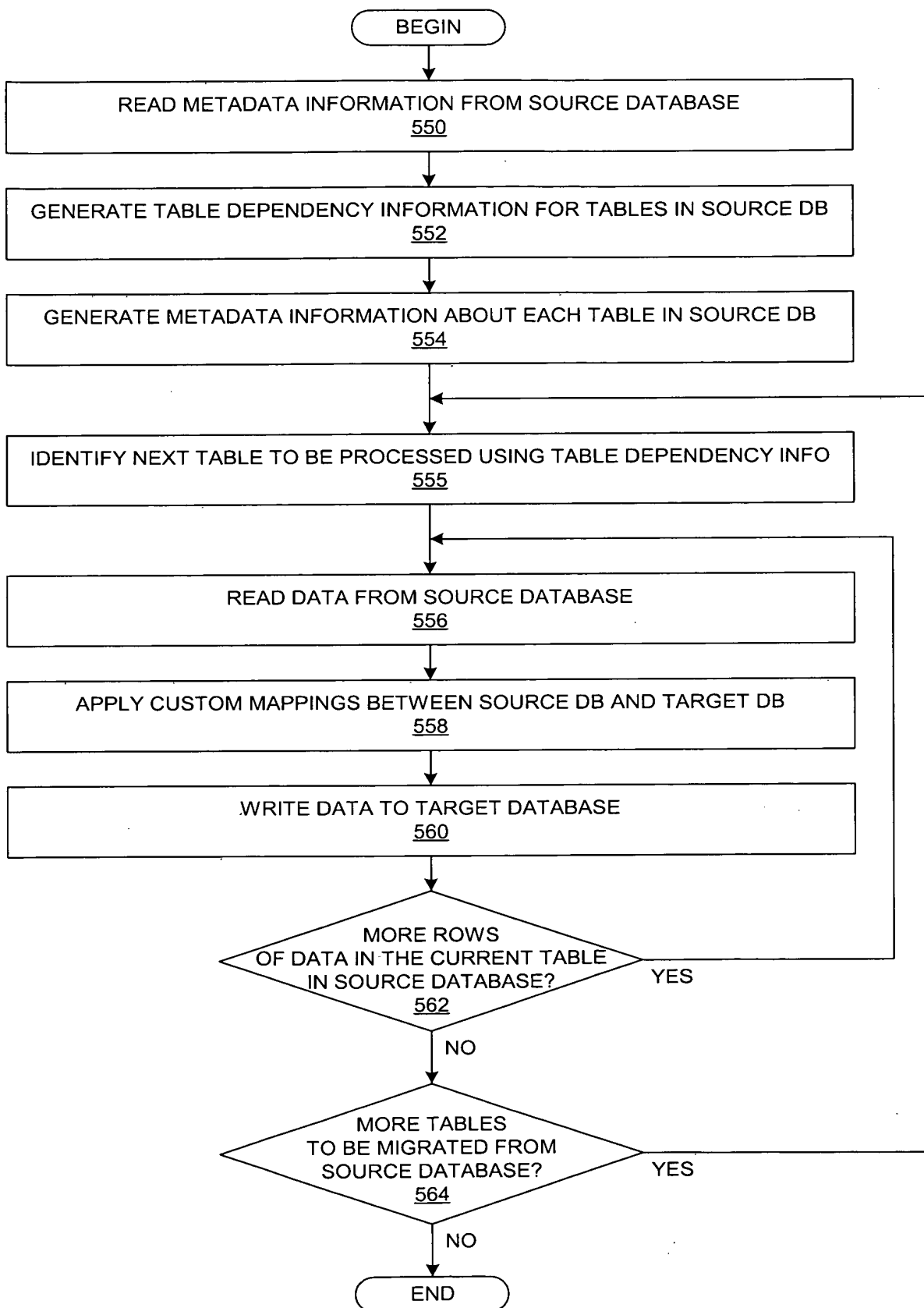


FIG. 5B

Method and system for a generic metadata-based mechanism
to migrate relational data between databases

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FIG. 6A

610

```
<Table name="AUTH_TABLE" numattributes="4">
  <PrimaryKey>
    <Field name="AUTHOR_ID" pos="1">
      <Type> VARCHAR2 </Type>
      <Nullable> FALSE </Nullable>
      <Length> 20 </Length>
    </Field>
  </PrimaryKey>
  <Field name="NAME" pos="2">
    <Type> VARCHAR2 </Type>
    <Nullable> FALSE </Nullable>
    <Length> 40 </Length>
  </Field>
  <Field name="URL" pos="3">
    <Type> VARCHAR2 </Type>
    <Nullable> FALSE </Nullable>
    <Length> 1024 </Length>
  </Field>
  <Field name="DESCRIPTION" pos="4">
    <Type> VARCHAR2 </Type>
    <Nullable> FALSE </Nullable>
    <Length> 512 </Length>
  </Field>
</Table>
```

620

```
<MappingRecord TargetTableName="T_AUTH_TABLE" >
  <SourceTableName> AUTH_TABLE </SourceTableName>
  <Field position="1">
    <TargetFieldName type="String"> T_AUTHOR_ID </TargetFieldName>
    <SourceFieldName> AUTHOR_ID </SourceFieldName>
    <Truncatable> NO </Truncatable>
  </Field>
  <Field position="2">
    <TargetFieldName type="String"> T_AUTHOR_NAME </TargetFieldName>
    <SourceFieldName> NAME </SourceFieldName>
    <Truncatable> NO </Truncatable>
  </Field>
  <Field position="3">
    <TargetFieldName type="String"> T_URL </ClassField>
    <SourceFieldName> URL </SourceFieldName>
    <Truncatable> NO </Truncatable>
  </Field>
  <Field position="4">
    <TargetFieldName type="String"> T_DESCRIPTION </TargetFieldName>
    <SourceFieldName> DESCRIPTION </SourceFieldName>
    <Truncatable> YES </Truncatable>
  </Field>
  <Field position="5" default="Unknown">
    <TargetFieldName type="String"> T_LOCATION </TargetFieldName>
    <SourceFieldName> </SourceFieldName>
  </Field>
</MappingRecord>
```

FIG. 6B



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T_AUTHOR_ID	T_AUTHOR_NAME	T_URL	T_DESCRIPTION	T_LOCATION
AUTH_TABLE		630		

FIG. 6C

```
<Table Name="AUTH_TABLE">
  <PrimaryKey>
    <Field name="AUTHOR_ID" type="VARCHAR2"></Field>
  </PrimaryKey>
  <Dependent Name="BOOK_AUTH_TABLE">
    <ForeignKey>
      <Attribute position="1">
        <Parent>AUTHOR_ID</Parent>
        <Child>AUTHOR_ID</Child>
      </Attribute>
    </ForeignKey>
  </Dependent>
</Table>

<Table Name="BOOK_AUTH_TABLE">
  <PrimaryKey>
    <Field name="ISBN" type="VARCHAR2"></Field>
  </PrimaryKey>
  <Dependent Name="BOOK_TABLE">
    <ForeignKey>
      <Attribute position="1">
        <Parent>ISBN</Parent>
        <Child>ISBN</Child>
      </Attribute>
    </ForeignKey>
  </Dependent>
</Table>

<Table Name="BOOK_TABLE">
  <PrimaryKey>
    <Field name="ISBN" type="VARCHAR2"></Field>
  </PrimaryKey>
</Table>
```

FIG. 6D